

Unit 1:

Enteral and Parenteral Nutrition Support- types of enteral feedings, their distinguishing characteristics, tube feedings complications and strategies for their management, advanced therapeutic formulas and indications for their use

Components of parenteral nutrition.- indications and contra indications for central and peripheral parenteral nutrition, metabolic complications associated with parenteral nutrition and methods of management of each

Unit 2:

Dietetics & Therapeutic Nutrition: Malnutrition, GIT disorders, Obesity, Hepatic diseases, Renal diseases, cardiovascular diseases, Diabetes, Cancer, neurological disorders & Inborn errors of metabolism – Epidemiology, symptoms, metabolic alterations, Nutritional considerations complementary and alternative nutrition therapies.

Unit 3: Nutrient and drug interactions: Basic concept, Nutrient-Nutrient, Food-Food, Food-Drug, Drug-Drug interactions, Drug effect on nutritional status.

Unit 4: Current trends in Clinical Nutrition and Dietary Research

Innate immunity in health and disease, Plant based proteins, Probiotics, Prebiotics and Other Dietary Supplements

Advances in Therapeutic and dietetics Management

Sustainability in Nutrition & Food Systems- Environmental impacts of dietary shifts in India

Reference Books:

Kathleen ML and Escott S. Krause's Food, Nutrition and Diet Therapy, 16th edn, W.B. Saunders Company Pennsylvania, 2022.

3. Davidson S, Passmore R, Breck JFT. Human Nutrition and Dietetics, The English Language Book Society and Churchill Livingstone, 1975.

4. Thomas B. Manual of Dietetic Practice. Blackwell Scientific Publications, Oxford, London, 1988.

5. Robinson CH. Normal and Therapeutic Nutrition. Oxford Publishing Co, Bombay, 1990.